

Converting Colors

$Y_{xy}(27.2662, 0.3026, 0.3871)$

Have a look what the booklet for
Yxy(27.2662, 0.3026, 0.3871)
contains.

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Color

$Y_{xy}(27.2573, 0.3023, 0.3868)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 709878 |
| RGB | 112, 152, 120 |
| RGB Percent | 44%, 60%, 47% |
| CMY | 0.5607, 0.4039, 0.5294 |
| CMYK | 0.26, 0.00, 0.21, 0.40 |
| HSL | 132°, 16%, 52% |
| HSV | 132°, 26%, 60% |
| XYZ | 21.3027, 27.2573, 21.9087 |
| YIQ | 136.3920, -13.5680, -18.4320 |

Conversions

Conversions Part 2

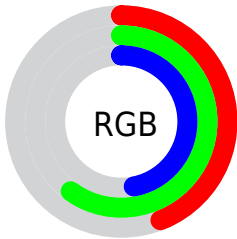
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 112, 145, 152 |
| Decimal | 7379064 |
| CIE _{Lab} | 59.21, -20.47, 12.48 |
| CIE _{LCh} | 59, 23.975, 148.636 |
| Yxy | 27.2573, 0.3023, 0.3868 |
| Android (android.graphics.Color) | 4285569144 (0xFF709878) |
| YUV | 136.3920, -8.0813, -21.3918 |
| Hunter-Lab | 52.2085, -18.5314, 11.6656 |

Details

The Yxy color $27.2573, 0.3023, 0.3868$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.2827, 0.3252, 0.2774$, and the grayscale version is $24.8122, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.1205, 0.3054, 0.3738$, and $10.8191, 0.2982, 0.4114$ is the 20% darker color. If you saturate the color by 10%, you get $26.0670, 0.2986, 0.4132$, and if you desaturate by 10%, it is $28.6558, 0.3062, 0.3628$.

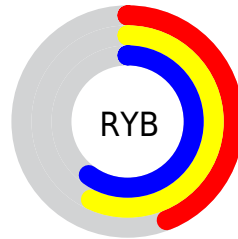
Distribution



Red (44%)

Green (60%)

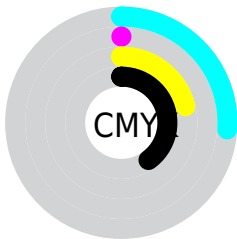
Blue (47%)



Red (44%)

Yellow (57%)

Blue (60%)

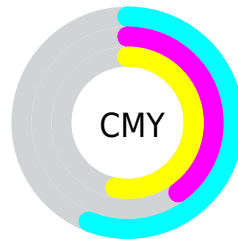


Cyan (26%)

Magenta (0%)

Yellow (21%)

Black (40%)



Cyan (56%)


Magenta (40%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2573, 0.3023, 0.3868 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 27.2573, 0.3023, 0.3868 by changing the saturation by 10% instead.


 27.2573, 0.3023,
0.3868


 27.2573, 0.3023,
0.3868


288.9008, 0.3085,
0.3543


 17.7666, 0.3003,
0.3964


 55.2965, 0.3049,
0.3740

 10.7825, 0.2974,
0.4098


 74.6137, 0.3057,
0.3695

 5.9208, 0.2928,
0.4298

 97.9752, 0.3064,
0.3658

 2.7970, 0.2847,
0.4627

 125.7654, 0.3070,
0.3627

 1.0267, 0.2708,
0.5920

158.3686, 0.3075,
0.3601

 0.0000, 0.0000,
0.0000

196.1694, 0.3079,

0.3579

239.5519, 0.3082,
0.3560

■ 27.2573, 0.3023,
0.3868

■ 27.2573, 0.3023,
0.3868

■ 26.0670, 0.2986,
0.4132

■ 28.6558, 0.3062,
0.3628

■ 25.0716, 0.2953,
0.4415

■ 30.2681, 0.3102,
0.3413

■ 24.2615, 0.2928,
0.4709

■ 32.1041, 0.3142,
0.3223

■ 23.6250, 0.2912,
0.5002

■ 34.1720, 0.3179,
0.3056

■ 23.1492, 0.2907,
0.5278

■ 36.4794, 0.3215,
0.2911

■ 22.8189, 0.2915,
0.5522

■ 39.0337, 0.3249,
0.2785

■ 22.6128, 0.2933,
0.5718

■ 41.8420, 0.3281,
0.2676

■ 22.5516, 0.2939,
0.5780

■ 44.9111, 0.3310,
0.2581

■ 48.2475, 0.3337,
0.2499

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.2573, 0.3421, 0.4011



27.2573, 0.3023, 0.3868



27.2573, 0.2668, 0.3534

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.2573, 0.3023, 0.3868



27.2573, 0.2517, 0.2662



27.2573, 0.3862, 0.3365

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.2573, 0.3023, 0.3868



20.2827, 0.3252, 0.2774

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



27.2573, 0.3589, 0.3048



27.2573, 0.3023, 0.3868



27.2573, 0.2803, 0.2656

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.2573, 0.3023, 0.3868



27.2573, 0.2390, 0.2829



27.2573, 0.3193, 0.2796



27.2573, 0.3921, 0.3684

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.2573, 0.3023, 0.3868



27.2573, 0.2500, 0.3270



27.2573, 0.3193, 0.2796



27.2573, 0.3792, 0.3256

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.2584, 0.3023, 0.3868



52.8699, 0.3095, 0.3451



29.6162, 0.3433, 0.3944



11.9219, 0.3089, 0.3480



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.2584, 0.3023, 0.3868



46.7441, 0.2999, 0.4032



27.7763, 0.2857, 0.3511



6.9448, 0.3091, 0.3473



18.9132, 0.2936, 0.5770



0.2871, 0.2752, 0.5107

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.2827, 0.3252, 0.2774



32.1525, 0.3289, 0.2648



19.7411, 0.3499, 0.3080



6.3025, 0.3166, 0.3114



6.7725, 0.3775, 0.1853



0.1060, 0.3485, 0.1693

Previews

White Background



This preview shows how the Yxy color 27.2573, 0.3023, 0.3868 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.2573, 0.3023, 0.3868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

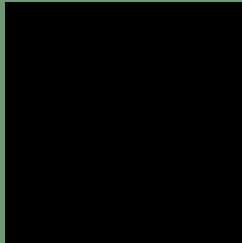
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.2573, 0.3023, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 27.2573, 0.3023, 0.3868.



This preview shows how white text looks on a background with the Yxy color 27.2573, 0.3023, 0.3868.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.2573, 0.3023, 0.3868

Protanopia

27.1631, 0.3506, 0.3731

Deuteranopia

27.1079, 0.3576, 0.3509



Tritanopia

27.2926, 0.2749, 0.3088

Trichromacy



Original Color

27.2573, 0.3023, 0.3868

Protanomaly

27.1605, 0.3316, 0.3784

Deuteranomaly

26.6804, 0.3353, 0.3624

Tritanomaly

27.2522, 0.2842, 0.3358

Monochromacy



Original Color

27.2573, 0.3023, 0.3868

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4697, 0.3085, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2573, 0.3023, 0.3868 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(112, 152, 120)` looks like.

```
.text, #text, p{  
    color:rgb(112, 152, 120)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(112, 152, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 152, 120) }
```

Border

The CSS property to change the border of an element to Yxy 27.2573, 0.3023, 0.3868 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 152, 120) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(112, 152, 120) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(112, 152, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 152, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 152, 120);  
box-shadow:4px 4px 4px 4px rgb(112, 152,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2573, 0.3023, 0.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 152, 120) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(112,  
152, 120) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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